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SLOW RELEASING FORMULATION FOR TREATING PERIODONTAL DISEASE**Publication number:** JP2000302621**Publication date:** 2000-10-31**Inventor:** SHIMIZU HISAYOSHI; YOSHII HIDEKAZU; SHIZUTANI NOBUKO; ISHIHARA YOKO**Applicant:** G C DENTAL IND CORP; TAKEDA CHEMICAL INDUSTRIES LTD**Classification:****- international:** **A61K6/00; A61K31/00; A61P1/00; A61P1/02; A61K6/00; A61K31/00; A61P1/00; (IPC1-7): A61K6/00; A61P1/02****- European:****Application number:** JP19990112262 19990420**Priority number(s):** JP19990112262 19990420**Report a data error here****Abstract of JP2000302621**

PROBLEM TO BE SOLVED: To obtain a new slow releasing formulation for treating periodontal disease capable of administrating a water-unstable cephem-based antibiotic to a periodontal pocket in a stable state and capable of continuously releasing a medicinal agent at a local part in an oral cavity for a long time and having slowly releasing property. **SOLUTION:** This slow releasing formulation for treating periodontal disease has a construction including (A) more than one kinds selected from an oil and fat, wax and higher hydrocarbons, (B) a polyoxyethylene alkyl ether, (C) a cellulose derivative, (D) a calcium compound and (E) a cephem-based antibiotic. Preferable contents are, the component A: 5-95 wt.%, the component B: 1-50 wt.%, the component C: 1-75 wt.%, the component D: 1-50 wt.% and the component E: 0.1-50 wt.%.

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